

Amendments to the Specification:

Please delete the abstract in the originally filed specification, and replace it with the abstract attached hereto. The abstract is supported by the disclosure as originally filed, and contains no new matter.

ABSTRACT OF THE DISCLOSURE

A transmission direction switching device for a half-duplex communication apparatus includes a data transmission detector connected to a universal asynchronous receiver transmitter (UART). It also includes a direction-switching rule executor connected to an interface driver having a signal subtraction function via a direction control line. The detector detects any data to be sent and sends the data. The rule executor receives data from the detector and sends a direction switching signal via the direction control line to the interface driver to set a transmission direction of the driver to a sending direction when data received from the detector is a signal 0 or a low signal, or sends a direction switching signal via the direction control line to the driver to set a transmission direction of the driver to a receiving direction when data received from the detector is a signal 1 or a high signal.